

CLAIMS

1. An information recording medium, comprising:
 - a first recording area for recording first
5 information and first management information regarding
handling of the first information; and
 - a second recording area for recording second
information generated based on the first information, and
second management information regarding handling of the
10 second information.
2. An information recording medium according to claim 1,
wherein the second management information includes link
information which indicates that the first information and
15 the second information are related to each other.
3. An information recording medium according to claim 2,
wherein:
 - the first management information includes a group
20 number and a track number for specifying the first
information; and
 - the link information includes an identification
number for specifying the second information which is
linked with the first information.
- 25 4. An information recording medium according to claim 1,
wherein:
 - the first recording area further includes first
copyright management information regarding a copyright of
30 the first information; and
 - the second recording area further includes second
copyright management information regarding the copyright
of second information, which is independent from the first

copyright management information.

5. An information recording medium according to claim 4,
wherein the second copyright management information
5 includes:

inherent information for identifying the second
information; and

copy management information indicating a copying
condition for the second information.

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6. An information recording medium according to claim 4,
wherein the second copyright management information
includes transaction information which indicates whether
or not copyright management information, which is different
15 from the second copyright management information, is
applicable to the second information.

7. An information recording medium according to claim 5,
wherein the copy management information indicates at least
20 one of: whether or not copying is permitted; the number of
times that the copying is permitted; and the quality at
which the copying is permitted.

8. An information recording medium according to claim 1,
25 wherein:

the first information is encrypted by a first
encryption system; and

the second information is encrypted by a second
encryption system.

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9. An information recording medium according to claim 8,
wherein a part of an encryption algorithm of the first
encryption system and a part of an encryption algorithm of

the second encryption system are identical to each other.

10. An information recording medium according to claim 8,
wherein the first encryption system includes encryption
5 using information which is common to the second encryption
system.

11. An information recording medium according to claim 10,
wherein the common information is encryption key generation
10 information used for generating an encryption key.

12. An information recording medium according to claim 1,
wherein:

the first information is one of non-compressed
15 information and reversibly compressed information;

when the first information is non-compressed
information, the second information is information
obtained by irreversibly compressing the first
information; and

20 when the first information is reversibly compressed
information, the second information is information
obtained by irreversibly compressing non-compressed
information which is generated by decoding the first
information.

25 13. An information recording medium according to claim 1,
wherein:

a plurality of pieces of second information are
generated based on the first information; and

30 the generated plurality of pieces of second
information are different from each other in attribute.

14. An information recording medium according to claim 13,

wherein:

the first information and the second information are audio information; and

5 the attribute indicates at least one of recording system, compression ratio, number of channels, sampling frequency, quantization bit number, bit rate, and reproduction time.

10 15. An information recording medium according to claim 13, wherein different copyrights are applied to the plurality of pieces of second information.

15 16. An information recording medium according to claim 13, wherein different encryption systems are applied to the plurality of pieces of second information.

20 17. An information recording medium according to claim 13, wherein at least one of the plurality of pieces of second information is encrypted by a plurality of encryption systems.

18. An information recording medium according to claim 1, wherein:

25 the second recording area further includes third management information regarding handling of the second information;

the second management information includes first link information which indicates that the first information and the second information are related to each other; and

30 the third management information does not include the first link information.

19. An information recording medium according to claim 18,

wherein the second management information includes second link information which indicates that the second management information and the third management information are related to each other.

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20. An information recording medium according to claim 18, wherein:

the first recording area further includes first copyright management information regarding a copyright of the first information;

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the second recording area further includes:

second copyright management information regarding a copyright of the second information, which is independent from the first copyright management information, and

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third copyright management information regarding the copyright of the second information, which is independent from the first copyright management information and the second copyright management information.

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21. An information recording medium according to claim 1, wherein the second recording area further includes:

synchronous reproduction information which is reproduced in synchronization with the second information; and

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synchronous reproduction management information regarding handling of the synchronous reproduction information.

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22. An information recording medium according to claim 21, wherein the second management information includes link information which indicates that the second management

information and the synchronous reproduction management information are related to each other.

23. An information recording medium according to claim 22,
5 wherein the link information indicates a type and a file name of the synchronous reproduction management information.

24. An information recording medium according to claim 21,
10 wherein the second recording area further includes:

first copyright management information regarding a copyright of the second information; and

second copyright management information regarding copyright of the synchronous reproduction information.

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25. An information recording medium according to claim 1,
wherein the first information and the second information each include at least one of audio information, moving picture information, still picture information, and text
20 information.

26. An information recording medium according to claim 21,
wherein the first information, the second information, and the synchronous reproduction information each include at
25 least one of audio information, moving picture information, still picture information, and text information.

27. A reproduction apparatus for reproducing at least one
of first information and second information generated based
30 on the first information, which are recorded on an information recording medium, wherein the information recording medium includes:

a first recording area for recording the first

information and first management information regarding handling of the first information; and

5 a second recording area for recording the second information, and second management information regarding handling of the second information,

the reproduction apparatus comprising:

10 a reading section for reading at least one of the first information, the first management information, the second information, and the second management information from the information recording medium;

15 a first storage section having, stored therein, at least one of first decryption information for decrypting the first management information, and second decryption information for decrypting the second management information;

a first decryption section for decrypting at least one of the first management information and the second management information; and

20 an output section for outputting at least one of the first information and the second information;

wherein:

when the first storage section stores the first decryption information and the first information is to be reproduced,

25 the reading section reads the first management information from the information recording medium,

30 the first decryption section decrypts the first management information based on the first decryption information, and

based on the decryption result of the first management information, the reading section reads the first information, and the output section outputs the first

information; and

when the first storage section stores the second decryption information and the second information is to be reproduced,

5 the reading section reads the second management information from the information recording medium,

 the first decryption section decrypts the second management information based on the second
10 decryption information, and

 based on the decryption result of the second management information, the reading section reads the second information, and the output section outputs the second information.

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28. A reproduction apparatus according to claim 27, wherein when the second information is not reproduceable, the reading section reads the first information from the information recording medium.

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29. A reproduction apparatus according to claim 27, wherein when the first information is not reproduceable, the reading section reads the second information from the information recording medium.

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30. A reproduction apparatus according to claim 27, wherein:

 the reproduction apparatus is driven by a power provided from at least one of an external power supply and
30 a cell included in the reproduction apparatus;

 the reproduction apparatus further comprises a determination section for determining a source of the power;

when the determination section determines that the power is provided from the external power supply and the first information is to be reproduced, the reading section reads the first information; and

5 when the determination section determines that the power is not provided from the external power supply, the reading section reads the second information.

31. A reproduction apparatus according to claim 27,
10 wherein:

the second management information includes link information which indicates that the first information and the second information are related to each other; and

15 when the reproduction apparatus receives an instruction to copy the first information,

the reading section reads the link information from the information recording medium,

20 the first decryption section decrypts the link information and specifies the second information which is related to the first information, and

the reading section reads the specified second information, and the output section outputs the specified second information.

25 32. A reproduction apparatus according to claim 27, wherein:

30 the first recording area further includes first copyright management information regarding a copyright of the first information, and the second recording area further includes second copyright management information regarding a copyright of the second information;

wherein:

the reproduction apparatus further includes:

a second storage section having, stored therein, third decryption information for decrypting the first copyright management information, and fourth decryption information for decrypting the second copyright management information, and

a second decryption section for decrypting at least one of the first copyright management information and the second copyright management information; and

when the reproduction apparatus receives an instruction to copy the first information and the first copyright management information indicates that the first information is prohibited from being copied,

the reading section reads the second copyright management information,

the second decryption section decrypts the second copyright management information, and

when the second copyright management information indicates that the second information is permitted to be copied, the reading section reads the second information, and the output section outputs the second information.

33. A reproduction apparatus according to claim 27, wherein:

the first information is encrypted by a first encryption system, and the second information is encrypted by a second encryption system; and

the reproduction apparatus further comprises at least one of a first decoding section for decoding the encrypted first information, and a second decoding section for decoding the encrypted second information.

34. A reproduction apparatus according to claim 27,

wherein:

the first information is encrypted by a first encryption system, and the second information is encrypted by a second encryption system;

5 a part of an encryption algorithm of the first encryption system and a part of an encryption algorithm of the second encryption system are identical to each other;

the reproduction apparatus further comprises:

10 a common decoding section for decoding a portion of the first information and a portion of the second information, the portions being encrypted by the identical parts of the encryption algorithms,

15 a first decoding section for decoding another portion of the first information which is encrypted by an algorithm which uses the first encryption system but does not use the second encryption system, and

20 a second decoding section for decoding another portion of the second information which is encrypted by an algorithm which uses the second encryption system but does not use the first encryption system; and

for reproducing the first information, the first information read by the reading section is decoded by the common decoding section and the first decoding section; and

25 for reproducing the second information, the second information read by the reading section is decoded by the common decoding section and the second decoding section.

35. A reproduction apparatus according to claim 27, wherein:

30 the second recording area further includes third management information regarding handling of the second information;

the second management information includes link

information which indicates that the first information and the second information are related to each other;

the third management information does not include the link information;

5 the first storage section stores at least one of the first decryption information and the second decryption information, and also stores third decryption information for decrypting the third management information; and

10 for reproducing the second information, the reading section reads the second information based on the result of decrypting at least one of the second management information and the third management information.

36. A reproduction apparatus according to claim 27,
15 wherein:

the second recording area further includes:

synchronous reproduction information which is reproduced in synchronization with the second information, and

20 synchronous reproduction management information regarding handling of the synchronous reproduction information;

25 the second management information includes link information which indicates that the second management information and the synchronous reproduction management information are related to each other;

the first storage section further stores third decryption information for decrypting the synchronous reproduction management information; and

30 for reproducing the second information,

the reading section reads the second management information and the synchronous reproduction management information,

the first decryption section decrypts the second management information and the synchronous reproduction management information, and

5 based on the result of decrypting the second management information and the synchronous reproduction management information, the reading section reads the second information and the synchronous reproduction information, and the output section outputs the second information and the synchronous reproduction
10 information in synchronization with each other.

37. A reproduction apparatus according to claim 27, wherein:

15 the second recording area includes a plurality of pieces of second information;

the plurality of pieces of second information are different from each other in attribute;

20 the reproduction apparatus further includes a selection section for selecting one of the plurality of pieces of second information based on at least one of a reproduction condition and a copying condition; and

the reading section reads the selected second information.

25 38. A reproduction apparatus according to claim 27, wherein the first information and the second information each include at least one of audio information, moving picture information, still picture information, and text information.

30 39. A reproduction apparatus according to claim 36, wherein the first information, the second information, and the synchronous reproduction information each include at least

one of audio information, moving picture information, still picture information, and text information.